



# Federal Emergency Management Agency

Washington, D.C. 20472

NOV 20 1991

Mr. Frank J. Congel, Director  
Division of Radiation Protection  
and Emergency Preparedness  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Congel:

The two Deficiencies identified in York County, South Carolina, during the June 7, 1990, joint exercise of the offsite radiological emergency response plans site-specific to the Catawba Nuclear Station have been corrected. These Deficiencies were outlined in my August 19, 1991, letter which transmitted the final exercise report to the U. S. Nuclear Regulatory Commission. Both Deficiencies involved school evacuation capabilities in York County, South Carolina, and specifically addressed the lack of (1) formal training for principals, their designees, and bus drivers in evacuation procedures, as well as training in radiation protection for school bus drivers, and (2) notification procedures for school bus drivers during off-duty hours.

On August 21, 1991, the Federal Emergency Management Agency (FEMA) Region IV staff verified the adequacy of notification procedures for bus drivers, thereby correcting the second Deficiency. In addition, the accomplishment and adequacy of training for York County school officials was also verified through random interviews on August 21, 1991. Training for all bus drivers in radiation protection and evacuation procedures was completed on October 1, 1991, and verified on October 29, 1991.

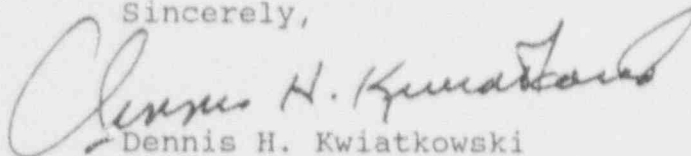
In a letter to the State of South Carolina, Emergency Preparedness Division, dated October 15, 1991, York County confirmed the completion of training for all bus drivers and included attendance lists and training dates. A letter from the State of South Carolina to FEMA Region IV dated October 18, 1991, forwarded the October 15, 1991, York County letter and requested notification when the Deficiencies were considered resolved. FEMA Region IV reviewed the training records and found them to be adequate. FEMA Region IV forwarded a letter dated October 29, 1991, to the State of South Carolina which confirmed the adequacy of the corrective actions and verified the correction of the Deficiencies associated with the Catawba Nuclear Station. Copies of the three aforementioned letters are enclosed.

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FEMA has reviewed and found to be adequate all of the remedial actions taken to correct the two Deficiencies identified for York County, South Carolina, during the June 7, 1990, Catawba Nuclear Station exercise. Based on the adequacy of the remedial actions and the results of the June 7, 1990, exercise, the offsite radiological emergency plans and preparedness for the Catawba Nuclear Station are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of a radiological emergency at the site. Therefore, the 44 CFR 350 approvals granted on October 8, 1985, for the States of North Carolina and South Carolina, will remain in effect. FEMA Region IV is continuing to monitor the status of corrective actions for the Areas Requiring Corrective Action identified during the June 7, 1990, Catawba Nuclear Station exercise.

If you should have any questions, please contact Mr. Craig S. Wingo, Chief, Radiological Preparedness Division, at (202) 646-3026.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dennis H. Kwiatkowski", is written over the typed name.

Dennis H. Kwiatkowski  
Assistant Associate Director  
Office of Technological Hazards

Enclosures



# Federal Emergency Management Agency

Region IV

1371 Peachtree Street, NE, Suite 700  
Atlanta, GA 30309

R4-NT

October 29, 1991

Mr. Paul R. Lunsford, Director  
Emergency Preparedness Division  
1429 Senate Street  
Columbia, South Carolina 29201

Dear Mr. Lunsford:

Thank you for your October 18, 1991, letter conveying a record of the final corrective actions for the Deficiencies identified during the June 7, 1990, Catawba Nuclear Station exercise. We find these actions to be adequate and consider the Deficiency associated with Catawba to be corrected.

Thank you for your cooperation in this matter. Please convey our appreciation to Mr. Howell for his conscientious efforts. We look forward to working with you and your staff in the H. B. Robinson exercise.

Sincerely,

A handwritten signature in cursive script, reading "Glenn C. Woodard".

Glenn C. Woodard, Chief  
Natural and Technological  
Hazards Division

The State of South Carolina  
Military Department



OFFICE OF THE ADJUTANT GENERAL

October 18, 1991

T. ESTON MARCHANT  
MAJOR GENERAL  
THE ADJUTANT GENERAL

Mr. Glenn C. Woodard, Chief  
Natural & Technological Hazards Division  
FEMA, Region IV  
1371 Peachtree St., NE, Suite 700  
Atlanta, GA 30309

Dear Mr. Woodard:

Reference your letter of 17 June 1991 concerning York County's remedial actions relative to the deficiencies identified during the 7 June 1990 Catawba Nuclear Station exercise.

Please find attached York County's letter confirming the completion of school bus drivers' training in evacuation procedures and radiation protection. If deemed adequate, this should be the final corrective action for the referenced deficiencies. We look forward to receiving notification that the slate is clean.

Should you have questions, please contact George Schneider at (803) 734-8020.

Sincerely,

A handwritten signature in dark ink, appearing to read "Paul R. Lunsford".

Paul R. Lunsford  
Director

PRL:SO:bb

buaadriv:so

Attachment

cf (w/o attachment):

Mr. Stan McKinney, Governor's Office  
Mr. Ron Harris, Duke Power Co.  
Mr. Phil McNamara, Catawba NS  
Mr. Cotton Howell, York County  
Mr. J. Eugene Klugh, York County

Emergency Preparedness Division  
Rutledge Building 1429 Senate Street  
Columbia, South Carolina 29201 (803) 734-8020  
Fax (803) 734-8062



# YORK COUNTY

MUNICIPAL COUNTY

## EMERGENCY PREPAREDNESS AGENCY

EMERGENCY MANAGEMENT • TELECOMMUNICATIONS • 911

Phone (803) 329-7270

Cotton Howell  
Director

October 15, 1991

Mr. Paul Lunsford  
Director  
SC Emergency Preparedness Division  
1429 Senate Street  
Rutledge Building  
Columbia, SC 29201

Dear Mr. Lunsford,

On October 1, 1991 training was completed for all York County school bus drivers. The drivers were trained in the use of radiation detection instruments, dosimetry, emergency plans and requirements for emergency workers. Enclosed is the attendance list for all bus drivers receiving training and the dates of the training.

FEMA conducted a site visit to several schools and talked with school district staff on August 21. Their comments upon leaving were favorable.

This should complete all necessary activity to correct the deficiencies of the Catawba exercise.

Sincerely,

Cotton Howell  
Director

CH:ac

enclosure



## SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
CLOVER	ADAMS	JAMES	251-53-9591	BUS DRIVER	09/03/91
CLOVER	BAINES	EMILY	073-28-9025	BUS DRIVER	09/03/91
CLOVER	CAPPS	PATSY	244-92-4777	BUS DRIVER	09/03/91
CLOVER	COSTNER	JANICE	244-84-1089	BUS DRIVER	09/03/91
CLOVER	DAVIS	JOE	248-49-2430	BUS DRIVER	09/03/91
CLOVER	EIBEL	ED	176-24-7848	BUS DRIVER	09/03/91
CLOVER	FEEMSTER	CARL	247-29-2734	TRANSPORTATION OFFICER	08/20/91
CLOVER	HEMPHILL	YAMA	251-39-4311	BUS DRIVER	09/03/91
CLOVER	HENSLEY	BRENDA	249-68-2725	BUS DRIVER	09/03/91
CLOVER	HOLMES	GREG	249-61-7632	BUS DRIVER	09/03/91
CLOVER	HORTON	JAMES	247-32-5801	BUS DRIVER	09/03/91
CLOVER	HUGHES	TIM	250-19-4020	BUS DRIVER	09/03/91
CLOVER	JOHNSON	DENISE	144-50-2363	BUS DRIVER	09/03/91
CLOVER	JONES	DOUG	250-73-1454	BUS DRIVER	09/03/91
CLOVER	MCDONALD	CONNIE	237-96-2763	BUS DRIVER	09/03/91
CLOVER	PONDO	MARY	246-76-3788	BUS DRIVER	09/03/91
CLOVER	SHOOK	EDWARD	248-69-2983	BUS DRIVER	09/03/91
CLOVER	SMITH	JEANKS	243-68-5456	BUS DRIVER	09/03/91
CLOVER	SMITH	TERRI	249-31-9435	BUS DRIVER	09/03/91
CLOVER	SMITH	VICKIE	250-94-4332	BUS DRIVER	09/03/91
CLOVER	VENEZIA	DEAN	251-70-1700	BUS DRIVER	09/03/91
CLOVER	WHITE	ANNETTE	243-29-9069	BUS DRIVER	09/03/91
CLOVER	WRIGHT	BOBBIE	249-11-8936	BUS DRIVER	09/03/91

Count:

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# SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
FORT MILL	BECKER	DAVID	179-20-4595	BUS DRIVER	08/23/91
FORT MILL	BENSON	DIANN	424-98-2774	BUS DRIVER	08/23/91
FORT MILL	BROOME	REBECCA	248-62-8397	BUS DRIVER	08/23/91
FORT MILL	BUCHANAN	JOHN	248-96-7524	BUS DRIVER	08/23/91
FORT MILL	BUSBIN	JACK	244-30-2586	BUS DRIVER	08/23/91
FORT MILL	CALDWELL	BRENDA	250-25-1079	BUS DRIVER	08/23/91
FORT MILL	COLEMAN	BILL	242-88-5459	BUS DRIVER	08/23/91
FORT MILL	CRAVEN	BOB	248-62-7822	BUS DRIVER	08/23/91
FORT MILL	CURRENCE	LINDA	213-46-1025	BUS DRIVER	08/23/91
FORT MILL	FARLEY	TRACEY	249-47-1750	BUS DRIVER	08/23/91
FORT MILL	FINLAYSON	R.E.	245-28-2896	BUS DRIVER	08/23/91
FORT MILL	HARTNESS	CYNTHIA	247-31-7329	BUS DRIVER	08/23/91
FORT MILL	HEFNER	PAMELA	248-08-9443	BUS DRIVER	08/23/91
FORT MILL	JONES	DOTTIE	247-86-1026	BUS DRIVER	08/23/91
FORT MILL	LUNDY	MARGARET	251-68-1537	BUS DRIVER	08/23/91
FORT MILL	MCCRIVEN	CAROL	243-66-5765	BUS DRIVER	08/23/91
FORT MILL	MONTAGUE	DAVE	512-68-1452	BUS DRIVER	08/23/91
FORT MILL	PELTON	ESTHER	055-40-9047	BUS DRIVER	08/23/91
FORT MILL	ROBBINS	NORMA	247-39-0640	BUS DRIVER	08/23/91
FORT MILL	SKINNER	JEANETTE	247-68-8930	TRANSPORTATION OFFICER	08/23/91
FORT MILL	STIKELATHER	DEBRA	249-11-5795	BUS DRIVER	08/23/91
FORT MILL	VANOVER	DEBBIE	403-84-1090	BUS DRIVER	08/23/91
FORT MILL	VARNAADORE	PENNY	246-35-7895	BUS DRIVER	08/23/91
FORT MILL	WATSON	MARY	243-78-3320	BUS DRIVER	08/23/91

Count:

## SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
ROCK HILL	ABLE	PEARLIE	248-58-4200	BUS DRIVER	10/01/91
ROCK HILL	ADAIR	OLIN	249-50-3126	BUS DRIVER	10/01/91
ROCK HILL	ANDERSON	JIM	250-70-3086	TRANSPORTATION COORDINATOR	10/01/91
ROCK HILL	BARBER	ANGIE	247-84-8966	BUS DRIVER	10/01/91
ROCK HILL	BARBER	BETTYE	456-64-0497	BUS DRIVER	10/01/91
ROCK HILL	BARBER	ELIZABETH	248-72-1043	BUS DRIVER	10/01/91
ROCK HILL	BARNETTE	ADRIAN	247-55-1256	BUS DRIVER	10/01/91
ROCK HILL	BARNETTE	STEVEN	250-15-0057	BUS DRIVER	10/01/91
ROCK HILL	BLACKWELL	VICKI	251-45-6039	BUS DRIVER	10/01/91
ROCK HILL	BLAKE	GWENDOLYN	248-96-9332	BUS DRIVER	10/01/91
ROCK HILL	BOAN	TIM	251-15-6107	BUS DRIVER	10/01/91
ROCK HILL	BOULINBRI	ROBBIE	248-66-9363	BUS DRIVER	10/01/91
ROCK HILL	BOYD	JAMES	249-47-9966	BUS DRIVER	10/01/91
ROCK HILL	BRIGHT	KATIE	251-98-0517	BUS DRIVER	10/01/91
ROCK HILL	BROWN	KATHY	249-11-8185	BUS DRIVER	10/01/91
ROCK HILL	BURRIS	CAROLYN	250-84-7023	BUS DRIVER	10/01/91
ROCK HILL	BUTCHER	JANICE	394-68-0469	BUS DRIVER	10/01/91
ROCK HILL	CALDWELL	TRACY	248-25-9948	BUS DRIVER	10/01/91
ROCK HILL	CALDWELL	WILLIATTE	247-17-2865	BUS DRIVER	10/01/91
ROCK HILL	CATHCART	ANNA	126-44-5173	BUS DRIVER	10/01/91
ROCK HILL	CATHCART	JACKIE	248-96-9877	BUS DRIVER	10/01/91
ROCK HILL	CHISHOLM	MASCILLA	248-11-6589	BUS DRIVER	10/01/91
ROCK HILL	CLEGG	MARIO	251-21-2975	BUS DRIVER	10/01/91
ROCK HILL	CLINTON	BONNIE	251-15-5531	BUS DRIVER	10/01/91
ROCK HILL	COLEMAN	NATTIE	249-92-8769	BUS DRIVER	10/01/91
ROCK HILL	COOK	DENISE	249-73-0208	BUS DRIVER	10/01/91
ROCK HILL	CORNWELL	ROSEMARY	249-66-6549	BUS DRIVER	10/01/91



## SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
ROCK HILL	DANIELLE	LYLE	110-48-9803	BUS DRIVER	10/01/91
ROCK HILL	DIXON	BEVERLY	249-17-0068	BUS DRIVER	10/01/91
ROCK HILL	DIXON	JANIE	248-92-6593	BUS DRIVER	10/01/91
ROCK HILL	DUNCAN	LISA	251-21-0466	BUS DRIVER	10/01/91
ROCK HILL	DUNHAM	GWENDOLYN	248-02-9367	BUS DRIVER	10/01/91
ROCK HILL	DURHAM	ERIC	249-33-8689	BUS DRIVER	10/01/91
ROCK HILL	ERVIN	RICHARD	251-98-2395	BUS DRIVER	10/01/91
ROCK HILL	FAULK	JANIE	251-04-5447	BUS DRIVER	10/01/91
ROCK HILL	GAINES	CHRIS	248-23-3197	BUS DRIVER	10/01/91
ROCK HILL	HAMPTON	GEORGE	248-62-4462	TRANSPORTATION OFFICER	10/01/91
ROCK HILL	HARRIS	MARY	246-82-5358	BUS DRIVER	10/01/91
ROCK HILL	HINSON	BARBARA	248-78-4009	BUS DRIVER	10/01/91
ROCK HILL	HOOPER	ELIA	242-82-7742	BUS DRIVER	10/01/91
ROCK HILL	HOOPER	TITA	253-04-5300	BUS DRIVER	10/01/91
ROCK HILL	HOPE	BEVERLY	247-55-2603	BUS DRIVER	10/01/91
ROCK HILL	HUNT	CYNTHIA	248-06-5206	BUS DRIVER	10/01/91
ROCK HILL	JONES	CAROLYN	250-47-9775	BUS DRIVER	10/01/91
ROCK HILL	LEIGHTON	LINDA	251-04-5311	BUS DRIVER	10/01/91
ROCK HILL	LOCKHART	CHRIS	551-31-3170	BUS DRIVER	10/01/91
ROCK HILL	LONG	PATSY	248-15-7305	BUS DRIVER	10/01/91
ROCK HILL	MACKEY	JOHN	250-84-0352	BUS DRIVER	10/01/91
ROCK HILL	MASSEY	DON	250-43-5955	BUS DRIVER	10/01/91
ROCK HILL	MASSEY	TODD	247-37-4519	BUS DRIVER	10/01/91
ROCK HILL	MCCLENNINGHAM	WILLIE	249-76-8840	BUS DRIVER	10/01/91
ROCK HILL	MCCULLOUGH	ANNA	248-70-3395	BUS DRIVER	10/01/91
ROCK HILL	MCDOWELL	CHERYL ANN	437-74-2847	BUS DRIVER	10/01/91
ROCK HILL	MCNEAL	SANDRA	248-37-2561	BUS DRIVER	10/01/91

## SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
ROCK HILL	MOORE	TINNIE	250-84-0639	BUS DRIVER	10/01/91
ROCK HILL	PADGETT	ANGELA	248-41-2312	BUS DRIVER	10/01/91
ROCK HILL	PADGETT	PATRICIA	246-82-8322	BUS DRIVER	10/01/91
ROCK HILL	PASSMORE	RITA	245-13-1086	BUS DRIVER	10/01/91
ROCK HILL	PERRY	TRACY	248-96-8441	BUS DRIVER	10/01/91
ROCK HILL	POOLE	ANGELA	248-49-5803	BUS DRIVER	10/01/91
ROCK HILL	RODGERS	MARCHA	250-84-0451	BUS DRIVER	10/01/91
ROCK HILL	SAWYER	MARGARET	248-86-8672	BUS DRIVER	10/01/91
ROCK HILL	SHARPE	BESSIE	238-66-2885	BUS DRIVER	10/01/91
ROCK HILL	STEELE	DORIS	250-27-3835	BUS DRIVER	10/01/91
ROCK HILL	STEELMAN	JEFF	380-80-4764	BUS DRIVER	10/01/91
ROCK HILL	SUMMERVILLE	FAULA	247-37-0518	BUS DRIVER	10/01/91
ROCK HILL	VARGAS	JIM	018-28-5842	BUS DRIVER	10/01/91
ROCK HILL	WALDONADO	CLAUDIUS	169-16-9793	BUS DRIVER	10/01/91
ROCK HILL	WELCH	ANGELA	248-59-5114	BUS DRIVER	10/01/91
ROCK HILL	WELLS	MICHELLE	243-45-2981	BUS DRIVER	10/01/91
ROCK HILL	WEST	TAMMY	249-29-4230	BUS DRIVER	10/01/91
ROCK HILL	WILSON	SANDRA	251-25-6306	BUS DRIVER	10/01/91
ROCK HILL	WISE	ELEONORE	511-40-9568	BUS DRIVER	10/01/91
ROCK HILL	WURDEMAN	LYNN	249-80-2091	BUS DRIVER	10/01/91
ROCK HILL	WYLIE	ROBERT	251-33-2221	BUS DRIVER	10/01/91
ROCK HILL	YOUNG	CHARLES	157-16-1601	BUS DRIVER	10/01/91
ROCK HILL	ZIMMERMAN	DONALD	482-86-0026	BUS DRIVER	10/01/91
ROCK HILL	ZIMMERMAN	JERRY	484-54-5750	BUS DRIVER	10/01/91

Count:

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## SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
YORK	ADAMS	ALICE	247-25-0095	BUS DRIVER	08/22/91
YORK	ADAMS	BRENDA	248-96-8483	BUS DRIVER	08/22/91
YORK	BANKHEAD	FLORENCE	251-88-7553	BUS DRIVER	08/22/91
YORK	BANKHEAD	MARCILLA	249-61-4322	BUS DRIVER	08/22/91
YORK	BEATY	NICOLE	250-59-5626	BUS DRIVER	08/22/91
YORK	BYERS	ALAINE	248-38-0662	BUS DRIVER	08/22/91
YORK	CANUPP	KAYE	248-92-5942	BUS DRIVER	08/22/91
YORK	CARR	BARBARA	248-23-5602	BUS DRIVER	08/22/91
YORK	CHAPMAN	PAMELA	250-23-5731	BUS DRIVER	08/22/91
YORK	CHILDERS	MICHEAL	250-51-5436	BUS DRIVER	08/22/91
YORK	CLAIBORNE	WINSTON	456-38-8702	BUS DRIVER	08/22/91
YORK	COLON	TAMMY	251-27-2436	BUS DRIVER	08/22/91
YORK	FALLS	PATTI	248-35-9697	BUS DRIVER	08/22/91
YORK	GRIER	MARY	248-72-0686	BUS DRIVER	08/22/91
YORK	HANEY	ANGELA	244-43-4791	BUS DRIVER	08/22/91
YORK	HMFPHILL	GEORGE	247-23-3213	BUS DRIVER	08/22/91
YORK	HINSON	MARGARET	249-76-9476	BUS DRIVER	08/22/91
YORK	JAMISON	LOUVENIA	250-56-1908	BUS DRIVER	08/22/91
YORK	JOHNSON	WANDA	249-11-7862	BUS DRIVER	08/22/91
YORK	KIMBLE	KAREN	2498-43-282	BUS DRIVER	08/22/91
YORK	LOVE	WILLIAM	249-29-8310	BUS DRIVER	08/22/91
YORK	LOVELACE	CONNIE	247-43-8521	BUS DRIVER	08/22/91
YORK	LOWERY	YVONNE	249-15-9675	BUS DRIVER	08/22/91
YORK	MADDEN	TINA	250-59-8368	BUS DRIVER	08/22/91
YORK	MANNING	JIMMY	N/A	BUS DRIVER	08/22/91
YORK	MANNY	JIMMY	250-57-3386	BUS DRIVER	08/22/91
YORK	MCAFEE	LINDA	248-88-6342	BUS DRIVER	08/22/91

## SCHOOL PERSONNEL TRAINING

SCHOOL DISTRICT	LAST NAME	FIRST NAME	SOCIAL SECURITY NUMBER	POSITION	DATE OF TRAINING
YORK	MCKNIGHT	MICHELLE	248-27-2889	BUS DRIVER	08/22/91
YORK	MONTGOMERY	SANDY	241-02-1397	EUS DRIVER	08/22/91
YORK	MORGAN	ELIZABETH	312-42-5165	BUS DRIVER	08/22/91
YORK	MORTENSEN	DEBRA	248-11-5603	BUS DRIVER	08/22/91
YORK	MOSS	CHERYL	250-31-4713	BUS DRIVER	08/22/91
YORK	NEELY	CHRISTA	250-63-2106	BUS DRIVER	08/22/91
YORK	NEEVES	SANDY	244-88-3288	BUS DRIVER	08/22/91
YORK	PARKER	DAVID	247-41-8429	BUS DRIVER	08/22/91
YORK	RAINEY	TREVA	447-82-2412	BUS DRIVER	08/22/91
YORK	REDMOND	GEORGE	250-43-9807	BUS DRIVER	08/22/91
YORK	REVELS	CHRIS	251-15-1951	TRANSPORTATION OFFICER	08/22/91
YORK	RUSHERD	HODIA	128-30-1642	BUS DRIVER	08/22/91
YORK	SHANNON	BOBBY	247-31-2590	BUS DRIVER	08/22/91
YORK	SLAUGHTER	CHERYL	250-17-6316	BUS DRIVER	08/22/91
YORK	STEWART	RUBY	251-04-5972	BUS DRIVER	08/22/91
YORK	WHITE	DEBORAH	251-13-6916	BUS DRIVER	08/22/91
YORK	WILLIAMS	KELLY	248-08-9077	BUS DRIVER	08/22/91
YORK	WILLIS	TERESA	245-98-6284	BUS DRIVER	08/22/91
YORK	WORKMAN	CLAUDIA	247-84-8960	BUS DRIVER	08/22/91
YORK	YEARGIN	KAREN	438-94-9364	BUS DRIVER	08/22/91

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Count: 172